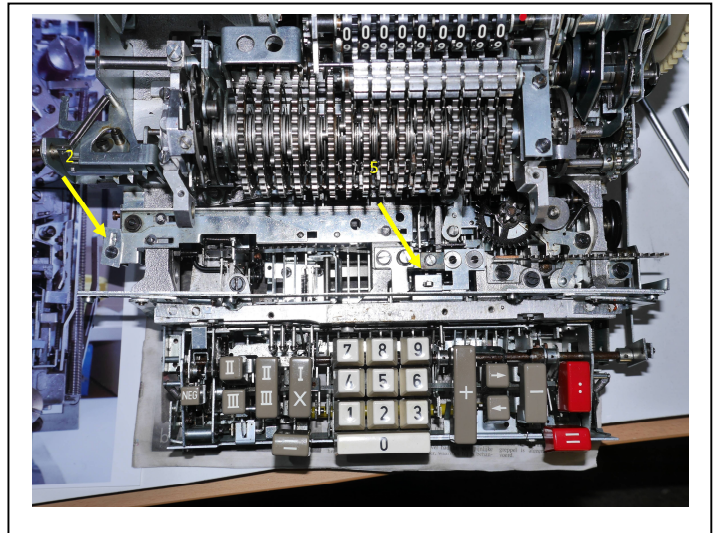
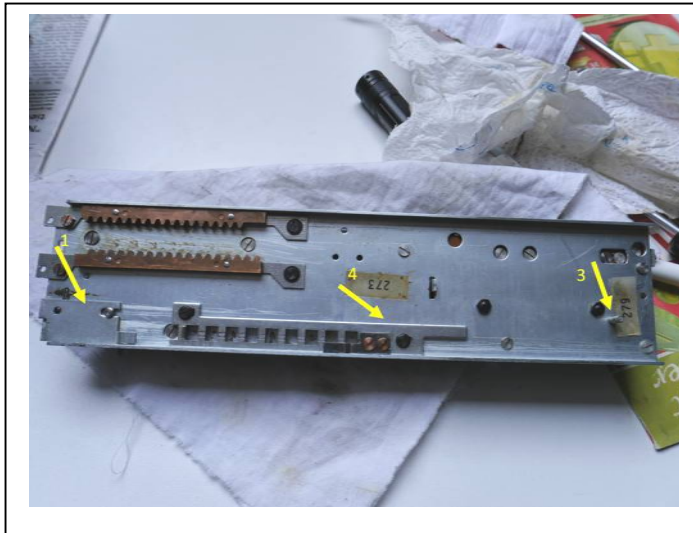


Removal of the carriage



To remove the carriage

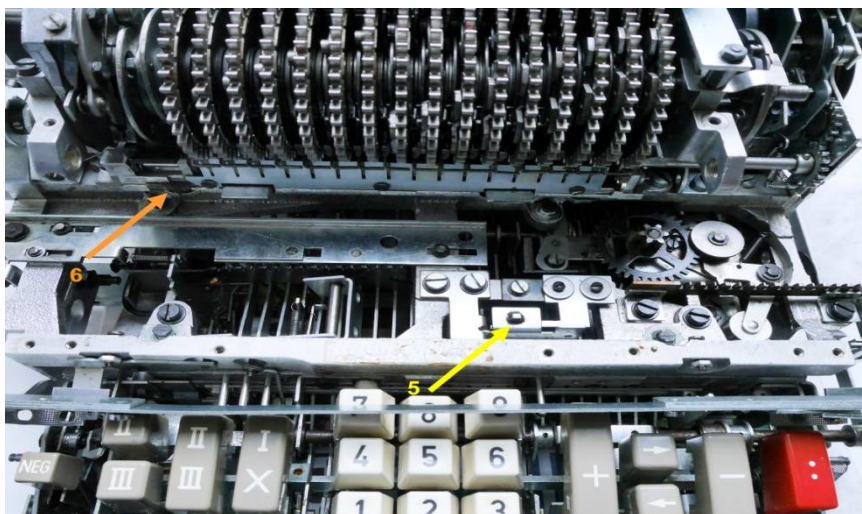
1. Loosen and remove plate (1) on the bottom of the carriage. Therefor the carriage should be in the outer right position. Loosen plate (2) from the bottom and turn it 90 degrees to enable pin (3) to pass that point when shifting the carriage out.
2. Using the tab-left button and by turning the small black wheel front-right of the machine move the carriage to the left until the tab-stop plate (4) has moved past carriage-tab-stop pin (5). Now the carriage should be far to the left and can easily be shifted out.

Note that on the photo the carriage is turned 180 degrees. The left side will fit on the right side of the machine.

The carriage can be put back basically by reversing the above actions.

The carriage should easily shift back. When point 4 arrives at 5 (carriage tab-stop pin) it is probably necessary to use the tab-left button. That will cause 5 to move down. Next the carriage can be pushed to the right a little further. Use the small black wheel to finish this movement. Next the carriage can be further moved to the right using the tab-right button + the small black wheel.

What if the carriage doesn't easily come off i.e. is blocked??



If the carriage is blocked, that is most probably caused by the carriage tab-stop pin (5) or by the positioning pin (6) not being retracted.

That happens when a calculation rotation (register I) did not finish.

This can easily be caused by a stuck wheel in the counter register (reg II) or the result register (reg III).

Try to move all register digit wheel(s) so that none is in between digits. Then try to rotate reg-I manually until it is in its rest position (Photo's of the internals on my site always show the machine in rest position). A special tool that fits on the reg-1 shaft makes this operation much easier. Mostly this will do. If not, apply a reset by pushing the IX button and turning the big white wheel clockwise. Here too the same special tool makes life easy.